

IN THE CLAIMS

1. (Amended) In a wideband mobile radio telecommunications system having heterogeneous services with different rates, a method of resource allocation comprising the steps of:

determining the current proportions of traffic of each rate [traffic] in a telecommunications cell; and

applying a threshold to the loading level in said cell, the threshold being dependent upon [in accordance with] the determined proportions.

2. (Amended) A method according to Claim 1, [in which] wherein the proportion of high rate users is determined from a received signal strength indication for the cell.

3. (Amended) A method according to Claim 2, [in which] wherein the determining step is performed in a base transceiver station which controls the cell.

4. (Amended) A method according to Claim 3, [in which] wherein said base transceiver station sends to a central radio network controller the determined current proportions.

5. (Amended) A method according to Claim 4, [in which] wherein said applied threshold is variable.

6. (Amended) A method according to Claim 5, [in which] wherein said variable threshold is allocated to each cell by the radio network controller.

7. (Amended) A method according to Claim 6, [in which] wherein the radio network controller maintains a table of threshold values for specific mixes of services and selects a threshold for a cell so as to maintain optimum network operation.

8. (Amended) A wideband mobile radio telecommunications system comprising a core network, and a plurality of radio network controllers each controlling a plurality of base transceiver stations; wherein each base transceiver station is arranged to determine intermittently the proportions of traffic of each rate [traffic] in a cell controlled by the base transceiver station; and each base transceiver station is arranged to apply a variable threshold to the loading level in the cell, the variable threshold being dependent upon the determined proportions.

9. (Amended) A system according to Claim 8, [in which] wherein each base transceiver station is arranged to send to the radio network controller which controls it, a signal indicating the proportions and to receive from the radio network controller a variable loading limit to be applied.